"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

Mergelyan, S. N.

$$E_m(f_i, \sigma) < C_1\omega[\gamma^{1-\epsilon}(1/m^{1-\epsilon})],$$

$$\mathcal{E}_M(f_i, \sigma) < C_2\omega[\gamma^{1-\epsilon}(1/(\log M)^{1-\epsilon})].$$

Theorem: Let σ be homeomorphic to the surface of a sphere. Then for

$$\lim_{m\to\infty} E_m(f_i, \sigma) = 0$$

$$\lim_{M\to\infty} \mathcal{E}_M(f_i, \sigma) = 0$$

it is necessary and sufficient that

$$\iint_\sigma [f_1(Q)\frac{\partial}{\partial n_Q}(1/r_{PQ}) - f_2(Q)(1/r_{PQ})]d\sigma = 0$$

for all points P in the unbounded region determined by σ.

M. G. Arsove (Seattle, Wash.).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGELYAN, S. N.

Mergelyan, S. N. On Bernstein's approximation problem. Dokl. Akad. Nauk SSSR (N.S.) 109 (1956), 25–28. (Russian)

The author announces another solution of S. Bernstein's problem about weighted polynomial approximation on the real axis, and several related results. [Proofs, and references to earlier work not mentioned in this note, appear in the author's paper in Uspehi Mat. Nauk 11, no. 5 (71), 107–152 (1956).] Let $h(x)$ be measurable, with $0 \leq h(x) \leq 1$; let E_h be the set where $h(x) > 0$; let C_h be the class of functions $f(x)$ continuous on the real axis with $\lim h(x)f(x) = 0$; let H be the class of $h(x)$ for which the class of polynomials is complete in C_h with the distance between f and P defined by $\sup|h(x)|f(x) - P(x)|$. Let $\mathfrak{M}_h$ denote the set of polynomials such that $h(x)|P(x)| \leq 1$, and let $M_h(x) = \sup|P(x)|$ with $P \in \mathfrak{M}_h$. With $h(x)$ the author associates the regularized function $h^*(x) = (1+|x|)/M_h(x)$, where $h(x) = h(x)/(1+|x|)$. Then (1) $h \in H$ if and only if

$$\int_{-\infty}^{\infty} (1+x^2)^{-1} \log h^*(x)\,dx$$

diverges. (2) Also, $h \in H$ if and only if, for every positive R and N, there exists a polynomial P such that

$$h(x)|P(x)| \leq 1+|x|$$

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MERGELYAN, S. N.

1-RW

on $(-\infty, \infty)$, and $\max_{|x|\le R}|P'(x)|>N$. (3) If $h(x)$ is not in H, then every f which admits weighted polynomial approximation with weight h coincides on E_h with an entire function of at most order 1, minimal type. (4) Let $n(r)$ denote the number of points of E_h for which $|x|<r$. If $\limsup r^{-1}n(r)>0$, then for every positive s the functions $h(x)$ and $(1+|x|)^s h(x)$ both belong or both fail to belong to H. (5) If the condition in (4) holds and $h(x)\in H$, then the set of all polynomials not containing a given finite set of positive powers of x is complete in C_h. (6) Let $\omega_f(\delta)=\sup|f(x_1)-f(x_2)|$ for

$$|x_1-x_2|\le\delta((1+|x_1|)(1+|x_2|).$$

Let p_n be the infimum of the values of polynomials in $\mathfrak{M}_k$, $k(x)=h(x)/(1+|x|)$, of degree at most n, at a given real point a. Then for every positive n there is a polynomial $P_n(x)$ of degree n such that

$$k(x)|f(x)-P_n(x)|<C\omega_f(1/\log p_n),$$

where C is independent of n. Finally (7) if the real axis is replaced by any closed nowhere dense set E in the plane, the set of polynomials is complete on E with weight h if and only if in every region complementary to E we have $M_k(z)=\infty$, with $k(z)=h(z)/(1+|z|)$.

R. P. Boas, Jr. (Evanston, Ill.).

2/2 BMW

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGELYAN, S.N.

16(0) PHASE I BOOK EXPLOITATION SOV/3177

Matematika v SSSR za sorok let, 1917-1957 (Iom 1: Obzornyye stat'i (Mathematics in the USSR for Forty Years, 1917-1957) Vol 1: Review Articles) Moscow, Fizmatgiz, 1959. 1002 p. 5,500 copies printed.

Eds: A. G. Kurosh, (Chief Ed.), V. I. Bityutskov, V. G. Bakyanskiy, Ye. B. Dynkin, O. Yu. Shilova, and A. P. Yushkevich; Ed. (Inside book): A. P. Lapko; Tech. Ed.: S. N. Akhlamov.

PURPOSE: This book is intended for mathematicians and historians of mathematics interested in Soviet contributions to the field.

COVERAGE: This book is Volume I of a major 2-volume work on the history of Soviet mathematics. Volume I surveys the chief contributions made by Soviet mathematicians during the period 1917-1957; Volume II will contain a bibliography of major works since 1917 and biographic sketches of some of the leading mathematicians. This work follows the tradition set by two earlier works: Matematika v SSSR za piatnadtsat' let (Mathematics in the USSR for 15 Years) and Matematika v SSSR za tridtsat' let (Mathematics in the USSR for 30 Years). The book is divided into the major divisions of the field, i.e., algebra, topology, theory of probabilities, functional analysis, etc., and contributions and outstanding problems in each discussed. A listing of some 1400 Soviet mathematicians is included with references to their contributions in the field.

Korinkiy, S. M., and I. P. Natanson Metric and Constructive Functions of a Real Variable 295

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6. The upper bounds of the deviations of approximation operations on classes of functions 332
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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

16.4100 S/020/60/132/02/12/067

AUTHOR: Mergelyan, S. N. Corresponding Member of the Academy of Sciences USSR

TITLE: Best Approximations With the Weight on a Straight Line

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 132, No 2, pp. 287-290

TEXT: Let $0 < h(x) < 1$, let $f(x)$ be continuous on $-\infty < x < \infty$,

(1) $\lim_{|x|\to\infty} h(x) f(x) = 0$;

$h(x)$ is assumed to admit the representation:

(2) $h(x) = h(0) \exp \left\{ - \int_0^{|x|} \frac{\omega(t)}{t} dt \right\}$ $-\infty < x < \infty$

where $0 \leq \omega(t) < \infty$ and $\omega(t)$ is monotonously increasing; let the integral $\int_{-\infty}^{\infty} \frac{\ln h(\xi)}{1+\xi^2} d\xi$ diverge Let $\operatorname{Im} a \neq 0$;

$H(x) = \frac{1}{h(x)}$ $p(x) = \ln H(x)$; $q(x)$ the inverse function to $p(x)$;

θ arbitrary number in $(0,1)$, $\alpha = \frac{\theta^{2n+2}}{1-\theta^2}$, $\delta = \frac{\ln h(0)}{\varepsilon h(1)}$

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

S/020/60/132/02/12/067

Best Approximations With the Weight on a Straight Line

Let $E_n(h,f)$ denote the greatest lower bound of the numbers $\sup_x h(x) |f(x) - P_n(x)|$ in the class of all polynomials of at most n-th degree.

Theorem: It exists an absolute constant $C > 0$ such that the inequality

$$h\left(\frac{1}{1-\alpha}\right) < C \frac{h(0)}{h(0)} \frac{1-x}{\sqrt{1-x}} \exp\left\{ \int \frac{|\ln \alpha|}{\pi(1+t^2)} \, dt \right\}$$

holds for all n which satisfy the conditions $\alpha < 1$, n

V. S. Videnskiy is mentioned in the paper; the author thanks M. M. Dzhrbashyan for discussion. There is 1 Soviet reference.

ASSOCIATION: Matematicheskiy institut imeni V. A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V. A. Steklov AS USSR)

SUBMITTED: February 5, 1960

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGELYAN, S.N., akademik; TALALYAN, A.A.

One class of point discontinuous functions. Dokl. AN Arm. SSR 32 no.4:183-187 '61. (MIRA 14:8)

1. Yerevanskiy universitet i Institut matematiki i mekhaniki Akademii nauk Armyanskoy SSR. 2. Akademiya nauk Armyanskoy SSR (for Mergelyan).
(Functions, Discontinuous) (Aggregates)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

SHCHELCHKOV, A.; KUZNETSOVA, K., sterzhenshchitsa, Geroy Sotsialisticheskogo Truda; MERGENEV, R., brigadir slesarey; BURKHIN, P., slesar'.

Workers participate in industrial management. Sov. profsoiuzy 16 no.24:16-18 D '60. (MIRA 14:1)

1. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo soveshchaniya Gor'kovskogo avtomobil'nogo zavoda (for Shchelchkov). 2. Chlen obshchezavodskogo postoyanno-deystvuyushchego proizvodstvennogo soveshchaniya Gor'kovskogo avtomobil'nogo zavoda (for Kuznetsova). 3. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo soveshchaniya sborochnogo tsekha No.1 Gor'kovskogo avtomobil'nogo zavoda (for Mergenev). 4. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo soveshchaniya kuznechnogo korpusa Gor'kovskogo avtomobil'nogo zavoda (for Burkhin).

(Gorkiy--Automobile industry)
(Gorkiy--Work councils)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

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(Stars, Variable)

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NN

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p. 86-91

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"Cosmic magnets."
Problemy, Warsaw, Vol [illegible], No 2, 1953, p. 86

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

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Sunspot observations in 1955. p. 91. ACTA GEOPHUSICA POLONICA. (Polska Akademia Nauk. Komitet Geogizyki) Warszawa. Vol. 4, No. 2, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress Vol. 5, No. 11, August 1956.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, JAN

Poland/Physics of the Atmosphere - Upper Layers of the Atmosphere, Ionosphere, M-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36220

Author: Mergentaler, Jan, Paciorkowna, Jana

Institution: None

Title: Chromospheric Flareup and Magnetic Fields of Sunspots

Original Periodical: Postepy astronomii, 1955, 3, No 1, 22-23; Polish

Abstract: In the author's opinion, the last cycle of solar activity in spite of the large number of the Wolf numbers, it was weaker than the previous ones with respect to strong flareups with intensities of 2 and 3. The reduced number of flareups per spot or group of spots can be partly explained by the dependence of the number of flareups on the maximum intensity of the magnetic fields of the spots. In the equation $n = a + bH^2$, where n is the number of flareups per spot, and H the maximum intensity of the magnetic field of the spot, the coefficient H^2 was 1 1/2 times smaller than in the preceding cycle. The reason for the reduced intensity may be a different

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

Poland/Physics of the Atmosphere - Upper Layers of the Atmosphere. Ionosphere, M-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36220

Abstract: structure of the sunspots or a different intensity of the total magnetic field of the sun. In the last 3 cycles with an intensity of the magnetic field of approximately 2400 gauss, the spots were accompanied by a greater number of flareups than follows from the above relationship. This can be explained by the presence of a temperature inversion over the spots in the layers where the flareups occur. Under admissible assumptions with respect to the gradient of the density and of the temperature in the chromosphere, such an inversion would not exceed 200-300°.

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J

Sunspot observations. p 43. ACTA GEOPHYSICA POLONICA

(Ploska Akademia Nauk. Komitet Geofizyki) Warszawa.

Vol. 3, no. 2, 1955

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Vol 8, no. 10, Oct. 1955. GAZETA OBSERWATORA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Ya.Ye.

Photometry of sunspots. Izv.Krym.astrofiz.obser. 16:207-208 '56. (MIRA 13:4)

1. Vrotslavskaya observatoriya, Pol'sha.
(Sunspots)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

[redacted], T.

Observations of sunspots in 1956.

P. 11 (ACTA G[redacted]) Poland, Vol 5, No. 2, 1957.

SO: Monthly Index of East European Acc[redacted] AE[redacted] Vol. 6, No. 11, November 19[redacted]

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

3(1) PHASE I BOOK EXPLOITATION POL/2448

Mergentaler, Jan

Słońce (The Sun) Warszawa, Państwowe Wydawnictwo Naukowe, 1958. 310 p. Errata slip inserted. 1,150 copies printed.

Ed.: Stanisław Grzędzielski.

PURPOSE: This book is intended for young astronomers who wish to study heliophysics. It will also be useful to those interested in the study of such related subjects as: northern lights, magnetic storms, radio disturbances, climatic changes, etc. To follow the text the reader should be familiar with differential equations.

COVERAGE: The book is the first attempt in Poland to write a serious study of heliophysics. It contains information on the most important phenomena connected with heliophyics but it does not attempt their analysis. For the compilation of this book the author used a very large bibliography. Extensive use was made of: M. Waldmeyer, "Results and Problems of the Study of Sun"; W. Zonn, "General Astrophysics" and its chapter on the

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The Sun

internal structure of the sun written by S. Piotrowski; L. H. Aller, "Astrophysics" from which information on the structure of the photosphere were taken. The author thanks Professor S. Piotrowski for reviewing the book and Professor A.B. Severnyy, Director of the Crimea Observatory, for the procurement of several original photos for the text. There are 480 references: 50 Soviet, 230 English, and 200 others.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.

GEOGRAPHY & ECOLOGY

PERIODICALS: ACTA [illegible] POLONICA. Vol. 6, no. 2, 1961

MERGENTALER, J. Sunspots in the year 1957. p. 166

Monthly List of East European Accessions (EEAI) LC. Vol. 6, no. 5, May 1959, Unclass.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.; [illegible]KOWSKI, J.

W. Zonn and K. Rudnicki's Astronomia ogólnogdowa (The Astronomy of Earth); a book review. p.178.

POSTEPY ASTRONOMII. Krakow, Poland. Vol. 6, no. 1, Oct./Dec. 1958.

Monthly List of East European Accessions Index (EEAI), LC, Vol. , No. , September Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Jan

Sunspots in the year 1960. Acta geophys Pol 9 no. 3:322-324 '61.

1. Astronomical Institute, Wroclaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Jan

Sunspots in the year 1961. Acta geophys pol 10 no.3:275-279 '62.

1. Astronomical Institute, Wroclaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Jan, prof., dr.

Solar observations with rockets. Problemy 18 no. 2:104-109 '62.

1. Dyrektor Instytutu Astronomicznego Uniwersytetu Wroclawskiego.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Jan, prof.dr.

In search of the limits of the universe. Problemy 18 no.8:538-545 '62.

1. Dyrektor Instytutu Astronomicznego, Uniwersytet, Wroclaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTHALER Jan

POLAND

MERGENTHALER, Jan

Astronomical Institute, Wroclaw (no Polish equivalent given)

Warsaw, Acta Geophysica Polonica, No 1, 1[illegible], pp 1[illegible]-96.

"Sunspots in 1952".

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.; BUMBA, V.; KLECZEK, J.

2d Consultation on Heliophysics and Hydromagnetics of Polish and Czechoslovak Astronomers in Kalatowki, October 16-19, 1962. Biul astr Cz 14 no.3:75 '63.

1. Astronomical Institute, Wroclaw, Poland (for Mergentaler)
2. Astronomical Institute of the Czechoslovak Academy of Sciences, Ondrejov, Czechoslovakia (for Bumba and Kleczek)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.

Ionosphere and solar activity. Biul astr Cz 14 no.3:102 '63.

1. Astronomical Institute, Wroclaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.

Second Polish-Czechoslovak Working Conference on Heliophysical Problems. Postepy astronom 11 no.2:135-136 '63.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, J.

Solar faculae and ionosphere. Acta astronom 13 no.4:249-252 '63.

1. Astronomical Institute, University, Wroclaw.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

[redacted]

WEIGERT, Axel

[redacted]
'64.

[redacted]

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

ACCESSION NR: AP4009259 P/0009/63/013/004/0249/0252

AUTHOR: Mergentaler, J.

TITLE: Solar Faculae and Ionosphere

SOURCE: Acta astronomica, v. 13, no. 4, 1963, 249-252

TOPIC TAGS: ionosphere, sunspot numbers, solar faculae, photospheric faculae, solar activity, sun, solar radio emission

ABSTRACT: The author investigates the correlation between the ionosphere and the phenomena which occur on the sun. In a provisional report read at the Polish-Czechoslovak Consultation devoted to Helipphysics (Kalatowki, autumn of 1962), author noted that the correlation between the index of F-layer activity of the ionosphere and solar faculae reveals a tendency contrary to that found by R. Naismith and P. A. Smith (Journal Atm. Terr. Phys. 22, 1961, p. 270) for sunspot numbers and radio emission. In this study, author concludes that this type correlation corresponds to the physical relation since neither sunspot number nor radio emission of the sun may be considered responsible for ionization of the

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ACCESSION NR: AP4009259

upper layers of the terrestrial atmosphere. This role might be played by the UV radiation emitted more intensively from facular regions than from adjacent photosphere. Author uses linear equations similar to those used by Naismith and Smith. Author concludes that the number of sunspot groups provides a better and more objective measure of solar activity than sunspot numbers (Wolf numbers). Therefore, not the Wolf number but the number of sunspot groups is correlated with the ionospheric index I_{F2}. "Author wishes to express his great indebtedness to Professor C. M. Minnis for kindly providing him with the values of the index I_{F2} from 1938 to the present time." Orig. art. has: 1 figure and 1 table.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 04Feb64 ENCL: 00

SUB CODE: AS NO REF SOV: 000 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

POLAND

MEHER-TALER, Jan

No affiliation given but city of Wroclaw

rakow, Uranie, No 2, February 1966, pp 41-44

"X-ray radiation from the galaxies."

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

L 46810-66 WS-2

ACC NR: AT6020519 SOURCE CODE: CZ/2514/65/000/051/0169/0170

AUTHOR: Mergentaler, J.

ORG: Astronomical Institute of Wroclaw University

TITLE: Some remarks on x-ray solar bursts

SOURCE: Ceskoslovenska akademie ved. Astronomicky ustav. Publikace, no. 51, 1965. 3rd Consultation on Solar Physics and Hydromagnetics, Tatranska Lomnica, 13-16 October 1964, 169-170

TOPIC TAGS: solar flares, bremsstrahlung, x ray emission, radio emission, short wav fadeout, solar disk, solar limb, chromosphere, radio wave source, x ray source

ABSTRACT: The author uses a modification of the Wild model to explain the 10.7-cm radio bursts and no short-wave fadeout (SWF) of flares showing a distinct concentration in the limb of the solar disk. It is assumed that in the first phase of the flare, electrons producing x-rays move in the neutral region, where no magnetic fiel affects them, mostly parallel to the surface of the sun. Consequently, the electron result in bremsstrahlung in the direction of movement. Electrons not stopped by bremsstrahlung then collide with the magnetic lines of force, and begin to move in

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L 46810-66

ACC NR: AT6020519

spirals along them, emitting 10.7-cm radio waves in a direction determined by the angle of inclinations of the spiral to the surface of the sun. The author considers this model to be probably inapplicable for large flares because the number of electr is too great to be retarded before collision with the magnetic lines. The distributi of radio-emission sources on the solar disk should be the same for small and large flares. For x-rays, source flares must be concentrated near the limb. The source x-rays may then lie in the chromosphere hundreds of km deeper than the source of centimeter radio waves. [GC

SUB CODE: 03,~~20,17~~/ SUBM DATE: none/ OTH REF: 003/

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

POLAND

MERGENTALER, Jan

Astronomical Institute, Warsaw

Warsaw, Acta geophysica polonica, No 3, July/Sept 1966, pp 261-65

"Sunspots in the year 1965."

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGENTALER, Kan

Outlines of the history of astronomy in Poland during the years 1945-1963. Postepy astronom 12 no.3:165-187 '64.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGER, J.

A few experiences concerning the reconstruction of the traffic system of Moscow. p.6.
(Silnice, Vol. 6, No. 1, Jan. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL, LC. Vol. 6, No. 9, Sept. 1957. Uncl

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

LITEANU, C.; MERGHICI, Iovanca

Rapid methods of analysis. Pt.7. Studii cerc. chimie 21[illegible]
14 no.1:61-68 '63.

1. Chair of Analytic and Inorganic Chemistry, "Babes-Bolyai" University, [illegible].

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G.

Effect of Babite Lake therapeutic mud on albumin content of blood serum; experimental study. Report II. Effect of mud course procedure on the general quantity of albumin and albumin fraction of blood serum of the rabbit. p. 127.

LATVIIAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 3, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G. (Riga)

Effect of Babite Lake therapeutic mud on albumin content of blood serum. Report III. Effect of therapeutic mud on albumin content of blood serum of rabbits with traumatic injury of the soft tissues. (EEAI 10:1)
Vestis Latv ak no.2:171-178 '60.
(BLOOD) (ALBUMINS) (TISSUES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MELGUNA, G.P., [illegible], G.B., YANSON, [illegible].L., [illegible], L.A., [illegible]

"The Influence of Triethylenethiophosphoramide on Blood Protein Synthesis in Anemia-sick Rabbits."

Report presented at the 5th Intl. Biochemistry Congress, Moscow, 10-16 Aug 1961.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G.; SOLAZEMNIYETSE, G. [Solazemniece, G.]

Materials on the study of the mechanism of the effect of triethylene thiophosphoramide (ThioTEPA) on animals. Report 1. Methods of studying the biosynthesis of blood proteins in experimental animals [with summary in English]. Vestis Latv ak no.1:123-130 '62.

1. Institut eksperimental'noy i klinicheskoy meditsiny AN Latviyskoy SSR

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G.

Data on the study of the mechanism of the action of triethylene thiophosphoramide (Thio-TEPA) on the animal organism. Changes in the volume of circulating blood, the quantity of plasma proteins and the prothrombin time in rabbits receiving small doses of Thio-TEPA. Vestis Latv ak no.6:97-105 '62.

1. Institut eksperimental'noy i klinicheskoy meditsiny AN Latviyskoy SSR.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G.

Materials on the study of the mechanism of the effect of triethylene thiophosphoramide (Thio-TEPA) on animals; effect of small doses of Thio-TEPA on the protein composition of the blood serum in rabbits. Vestis Latv ak no.7:91-99 '62.

1. Institut eksperimental'noy i klinicheskoy meditsiny AN Latviyskoy SSR.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGINA, G.

Materials on the study of the effect of triethylene thiophosphoramide (Thio-TEPA) on the animal organism. Izv. AN Latv. SSR no.5:103-112 '63. (MIRA 17:1)

1. Institut eksperimental'noy i klinicheskoy meditsiny AN Latviyskoy SSR.

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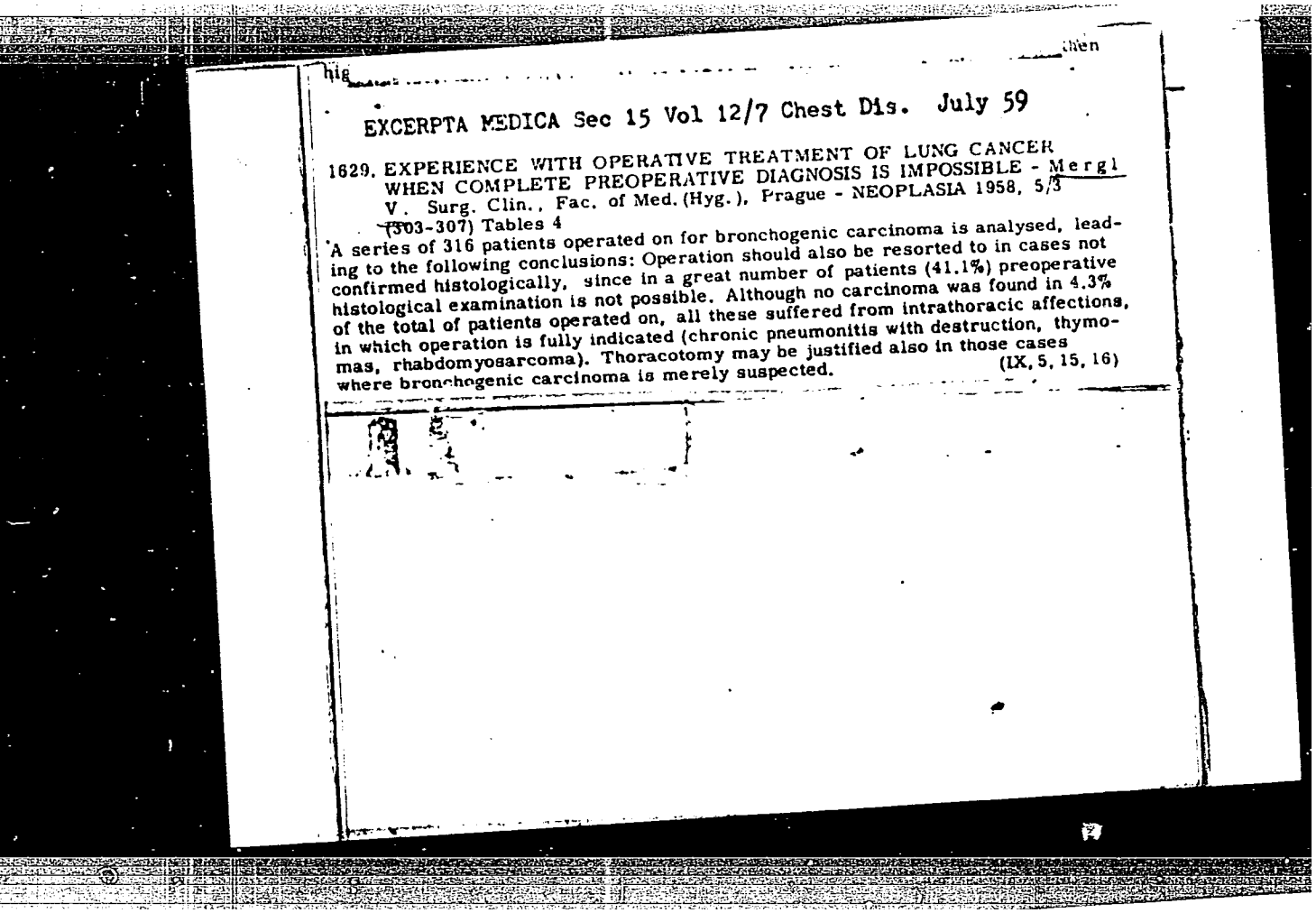

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EXCERPTA MEDICA Sec 15 Vol 12/7 Chest Dis. July 59

1629. EXPERIENCE WITH OPERATIVE TREATMENT OF LUNG CANCER WHEN COMPLETE PREOPERATIVE DIAGNOSIS IS IMPOSSIBLE - Mergl V. Surg. Clin., Fac. of Med.(Hyg.), Prague - NEOPLASIA 1958, 5/3 (303-307) Tables 4

A series of 316 patients operated on for bronchogenic carcinoma is analysed, leading to the following conclusions: Operation should also be resorted to in cases not confirmed histologically, since in a great number of patients (41.1%) preoperative histological examination is not possible. Although no carcinoma was found in 4.3% of the total of patients operated on, all these suffered from intrathoracic affections, in which operation is fully indicated (chronic pneumonitis with destruction, thymomas, rhabdomyosarcoma). Thoracotomy may be justified also in those cases where bronchogenic carcinoma is merely suspected. (IX, 5, 15, 16)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGL, V.; JIRAN, B.

Malignant cysts of the pancreas. Rozhl. chir. 37 no.3:177-185 Mar 58.

1. Chirurgicka klinika lekarske fakulty hygienicke v Praze 12, prednosta E. Polak.
(PANCREAS, neoplasms
malignant cysts (Cz))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGL, Vladimir, nositel Radu prace

Struma of the posterior mediastinum. Rozhl. chir. 40 no.5:318-321 '61.

1. Chirurgicka klinika LFH, Praha 10, prednosta prof. dr. Em. Polak.

(GOITER case reports) (MEDIASTINUM diseases)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

[illegible] OBSERVATIA/TUMORS

[illegible] Involution of Uterus, Surgery (Chirurgie d'Urgence), Paris.

"Wounds of Peritoneum."

Paris, [illegible] Surgery, Vol 135, No 5, May 48, pp 1291 - 1316

[illegible] 7: [illegible] of uterus [illegible] 2 years [illegible] 1 years after the last trial of [illegible] 10 of [illegible] were due to the old peritonitis. Out of [illegible] 0, six recovered. On the basis of the experience gained surgical treatment of wounds of peritoneum is recommended. 1 Table, 3 Western, 1 Czech reference.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

MERGOL'D, D. P.

27993. MERGOL'D, D. P. -- Blizhayshiye rezul'taty [illegible] otdalennyye [illegible] ognestrel'nykh raneniy perifericheskikh nervov. Yubileynyy sbornik khirurg. posvyashch. Prof. Snilovtsevu. Kuybyshev, 1949. S. 284-94. [illegible] ognestrel'nykh [illegible] posvyashch. [illegible]

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D. P.

27994. MERGOL'D, D. P. -- Voprosy patogeneza, kliniki i khirurgicheskogo lecheniya kauzalgicheskogo sindroma. Yubileynyy sbornik khirurg. Pabot, posvyashch. Prof. Shilovtsvu. Kuybyshev, 1949, S. 295-303.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P.

Invagination of the jejunum into the gastro-entero anastomosis. Klin.med.,Moskva 29 no.4:74-75 Apr 1951. (CLML 20:9)

1. Of the Clinic for General Surgery (Head--Prof. S.P. Shilovtsev), Kuybyshev Medical Institute, Kuybyshev.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERCOLD, D. F.

Tapeworms

Unusual localization of echinococcosis. Klin. med. [illegible], No. [illegible], 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

SHILOVTSEV, S.P., professor; MERGOL'D, D.P., dotsent.

Prevention of surgical shock. Khirurgiia no.10:53-55 O '53. (MLRA 6:11)

1. Iz propedevticheskoy khirurgicheskoy kliniki Kuybyshevskogo meditsinskogo instituta (direktor - professor S.P.Shilovtsev). (Operations, Surgical)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P.

Cystic hemangioendothelioma of the neck. Sov. med. 18 no.7:40 Jl '54. (MLRA 7:8)

1. Iz pervogo khirurgicheskogo otdeleniya tsentral'noy bol'nitsy Kirovskogo rayona Kuybysheva (glavnyy vrach - zasluzhennyy vrach RSFSR K.P.Ogryzko)

(HEMANGIOENDOTHELIOMA
*neck)
(NECK, neoplasms
*hemangioendothelioma)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P., kandidat meditsinskikh nauk

Myxoma of the gluteal region. Vest.khir.76 no.9:111-112 O '55.
(MLRA 9:1)

1. Iz tsentral'noy bol'nitsy Kirovskogo rayona g. Kuybysheva gl.vrach zasl.vrach RSFSR, K.P.Ogryzko)
(BUTTOCKS, neoplasms,
myxoma)
(MYXOMA,
buttocks)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P., kandidat meditsinskikh nauk (Kuybyshev, ul. Nekrasovskaya, d.20, kv. 59)

A case of myxoma of the thigh. Vop.onk. 2 no.3:363-364 '56. (MLRA 9:10)

1. Iz kliniki obshchey khirurgii Kuybyshevskogo meditsinskogo instituta (zav. - prof. S.P.Shilovtsev)

(MYXOMA, case reports
thigh)
(THIGH, neoplasms
myxoma)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P.

Review of the work of the First All-Russian Conference of Surgeons. (MLRA 10:3)
Khirurgiia 32 no.11:83-92 N '56.
(SURGERY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P.(g. Kuybyshev (oblastnoy), Nekrasovskaya ul., d. 20, kv. 59)

Chronic invagination caused by sarcoma of the caecum [with summary in English]. Vop. onk. 3 no.1:100-102 '57 (MLRA 10:4)

1. Iz kliniki obshchey khirurgii Kuybyshevskogo meditsinskogo instituta (zav.-prof. S.P. Shilovtsev)
(INTESTINES--CANCER)

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MERGOL'D, D.P.

Light-weight enterolith. Sov.med. 21 Supplement:15 '57. (MIRA 11:2)

1. Iz TSentral'noy bol'nitsy Kirovskogo rayona g.Kuybysheva.
(CALCULI) (INTESTINES--DISEASES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

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MERGOL'D, D.P.

Report on the activity of the Kuybyshev branch of the All-Union Society of Surgeons in 1955. Khirurgiia 33 no.2:133-135 F '57. (MLRA 10:6)
(SURGERY)

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MERGOL'D, D.P. (Kuybyshev (obl.), Nekrasova, d.20,kv.59)

Chondromas or hamartomas of the lung. Grud. khir. 3 no.1:104-107 Ja-F '61. (MIRA 16:5)

1. I kafedra obshchey khirurgii (zav. - prof. S.P.Shilovtsev) Kuybyshevskogo meditsinskogo instituta.
(LUNGS—TUMORS)

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MERGOL'D, D.P., dotsent

Case of Hand-Schueller-Christian disease. Sov.med. 25 no.5:140-142 My '62. (MIRA 15:8)

1. Iz kafedry obshch khirurgii (zav. - prof. S.P.Shilovtsev) Kuybyshevskogo meditsinskogo instituta.
(LIPIDOSIS)

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MERGOL'D, D.P.

Course of experimental brucellosis in the spine and sacroiliac joint in rabbits during the phase of infectious and postinfectious immunity. Eksper.khir. i anest. no.2:64-66'63. (MIRA 16:7)

1. Iz kliniki obshchey khirurgii (zav.--prof. S.P.Shilovtsev; rukovoditel' raboty - prof.K.V.Bunin) Kuybyshevskogo meditsinskogo instituta.

(BRUCELLOSIS) (SPINE--DISEASES)
(SACROILIAC JOINT--DISEASES) (IMMUNITY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001033

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P., dotsent

Materials on malignant mesenchymal hep[illegible]
in childhood. Trud. Kuib. med. inst. 24:156-[illegible] '62
(MIRA 17:4)

Some problems as to the clinical aspects and diagnosis of brucellar sacroiliitis. Ibid. 230-244

1. Iz kafedry obshchey khirurgii (zav. - kafedroy - zasluzhennyy deyatel' nauki RSFSR prof. S.P. Shilovtsev) Kuybyshevskogo meditsinskogo instituta.

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MERGOL'D, D.P., dotsent

Clinical aspects and diagnosis of brucellous sacroileitis in the initial phase of the disease. Sovet. med. 27 no.9:51-59 S'63 (MIRA 17:2)

1. Iz kafedry obshchey khirurg[illegible]zav. - zasluzhennyy deyatel' nauki prof. S.P.Shilovtsov) Kuybyshevskogo meditsinskogo instituta (nauchnyy rukovodit[illegible] prof. K.V.Bunin).

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL'D, D.P.

Brucellar lesions in the spine and sacroiliac joints of rabbits following repeated reinfection. Zhur.mikrobiol., epid. i imm. 41 no. 2:143 F '64. (MIRA 17:9)

1. Kuybyshevskiy meditsinskiy institut.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00103

MERGOL D, D.P.

Brucellar lesions of the spine and the sacroiliac joint under conditions of sensibilization with a specific antigen. Zhur. mikrobiol., epid. i immun. 41 no.10:142-143 '64. (MIRA 18:5)

1. Kuybyshevskiy meditsinskiy institut.

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MERCOL'D, A.F.

Myoma of the uterus; the observations. Trop. onk. 11 no.5:[illegible] '65.
(MIRA 18:8)

1. Iz ginekologicheskogo otdeleniya (zav. - A.I.Savchinskaya) 2-y gorodskoy bol'nitsy imeni Lenina (glavnyy vrach - B.V.Boyev).

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SAZONOVA, N.A.; MERGOLD, L.R., [illegible], N.S.

Concentration of Central Asian phosphorites. Khim. prom. (MIRA 17:7)
no. 4:249-251 Ap '64.

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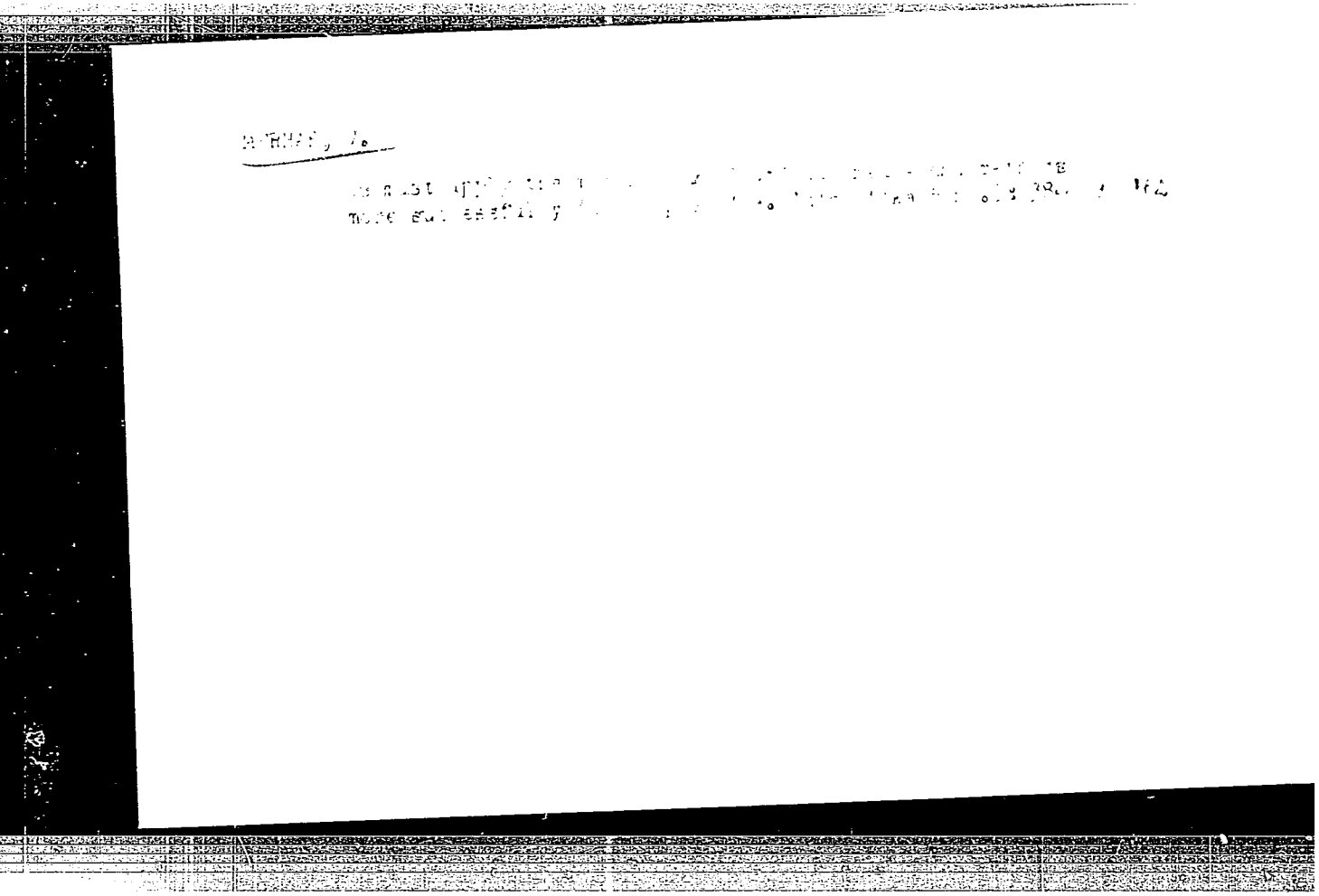

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